

LZ ANSWER 5 OF 33 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text	Citing References
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AN 2001:423747 CAPLUS
 DN 135:7643
 TI Preparation of energy-saving additive for heavy oil
 IN Tang, Lijing
 PA Peop. Rep. China
 SO Faming Zhuanli Shengqing Gongkai Shuomingshu, 4 pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese
 IC ICM C10G031-08
 CC 51-9 (Fossil Fuels, Derivatives, and Related Products)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>CN 1271760</u>	A	20001101	<u>CN 2000-103245</u>	20000320
	<u>CN 1115383</u>	B	20030723		
PRAI	<u>CN 2000-103245</u>		20000320		
AB	The additive contains activated carbon 5-8, KMnO4 2-4, agar 5-8, soft soap 16-27, Na lauryl benzene sulfonate 3-10, H2O2 5-10, NH4ClO4 5-10, pentaerythritol 6-16, oil fat 10-20, KNO3 5-10 and NaNO3 3-8%. The additive is manufd. by mixing soft soap, oil fat, agar and Na lauryl benzene sulfonate , heating to about 40?, stirring, adding other raw materials, heating to 60?, stirring for 15 min, and cooling. The addn. of additive can save energy by 15%.				
ST	fuel additive heavy oil				
IT	Fuel additives				
	Fuel oil				
	Fuel oil additives				
	(energy-saving additive for heavy oil)				
IT	Petroleum, processes				
	RL: PEP (Physical, engineering or chemical process); PROC (Process) (heavy; energy-saving additive for heavy oil)				
IT	<u>7440-44-0</u> , Activated carbon, uses				
	RL: MOA (Modifier or additive use); USES (Uses)				
	(activated; in energy-saving additive for heavy oil)				
IT	<u>115-77-5</u> , Pentaerythritol, uses <u>7631-99-4</u> , Sodium nitrate, uses <u>7722-64-7</u> , Potassium permanganate <u>7722-84-1</u> , Hydrogen peroxide , uses <u>7757-79-1</u> , Potassium nitrate, uses <u>7790-98-9</u> , Ammonium perchlorate <u>25155-30-0</u> , Sodium lauryl benzene sulfonate				
	RL: MOA (Modifier or additive use); USES (Uses)				
	(in energy-saving additive for heavy oil)				